

TARGET: TOMORROW



1979
Engineering Open House

The theme for this year's Engineering Open House, "Engineering: Target Tomorrow", very adequately sums up the efforts behind the entire college of engineering at the U. of I. General Engineering is trying to do its part in reaching for the goals of the future. This year's agenda is an overview of the many areas of design. Featured are projects by students which have provided sound solutions to real problems posed by corporations. Several projects are award winners and are the prototypes of models in use today. To supplement examples of student project activities, several corporations have brought exhibits of their own to give an idea of the technology that is being used in industry today.

History

Welcome! The General Engineering curriculum has designed an enjoyable show and has created displays that should be of interest to everyone. Browse around, see what we have to offer, and feel free to ask questions of any kind. Stop by the hospitality room for a cup of coffee and we'll explain what General Engineering is all about. We also have some interesting movies that explain Engineering and its place in society. Most displays are contained to the first and second floors, but don't forget to check out the Computer display on the fourth floor. There is lots to see, so take your time and enjoy yourselves.
Sincerely, Mike Jacobs
General Engineering Open House
Chairman

The Department of General Engineering has had close ties with industry since its beginning. Established in 1922 by the College of Engineering in conjunction with a group of Chicago industries, its original goal was to provide students with a managerial background as well as the regular engineering curriculum. Until 1961, the curriculum allowed either a mechanical or civil engineering design sequence. In 1961 the integrated design sequence was initiated and the program has been expanding ever since. There are now many secondary fields ranging from mining, geology and meteorology, management and marketing, and environmental quality. Even today the General Engineering Department is changing to best fit its options with the ever changing needs of the students.

Faculty

The interaction of students, faculty, and industry is a great benefit to the students of Illinois as well as the industry of Illinois. Through a unique give and take relationship, students learn by doing and the industries profit from quality work under the supervision of a highly esteemed faculty.

Reflecting the desire for an industry oriented curriculum, the Department of General Engineering's faculty has representatives from many of the different engineering fields. This diversity, combined with industrial experience, provides our faculty with tremendous insight to the problems of the real world. Further emphasizing the industry-department interaction, many of the faculty members are consultants for firms primarily in the Midwest. After the consulting and teaching responsibilities are taken care of some professors still find time to do research for the government or large industry.

Special Thanks

Faculty

Prof. J. P. Hipskind
Chairman Faculty Committee

Prof. Weichen Chow
Prof. William Chow
Prof. H. W. Knoebel
Prof. D. O'Bryant
Prof. M. Scheinman

Students

Mike Jacobs
Chairman Student Committee
Joe Halliday
Ramone Mendoza
Assistant Chairmen

Mark Scott
Nick Budd
April Horne

Pamphlet design
Charles Koehn

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Displays and Exhibits

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Room 113:

Fluidic Displays:

Artificial Respirator

Blowing Balloons

and more

Sunstrand Corp.

242 project design application

Slide show

General Electric

242 project design

Room 114:

Hospitality Room

Jets

ISGE

General Engineering Job Placement
Display

Energy Management Corp.

Mini computer controlling
electrical systems

Room 201:

104 Design Class Display

242 Models of Design Projects

104 Samples and Models

Room 202:

Movie Room:

Engineering: The Challenge of
the Future

Engineering: Makes a World of
Difference

Energy Crisis

Room 206:

Computer Graphic Display

Room 207:

Engineering: Goals of the Past

Engineering: Target Tomorrow

Room 406

Analog Computer Display

Project by Barb Edstrom